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PATENT ABSTRACTS OF JAPAN

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(54) ELECTROPHORESIS DISPLAY DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide the electrophoresis display device with superior display quality.

SOLUTION: A light-transmissive transparent substrate 2 and a light-nontransmissive back substrate 3 are arranged opposite each other at a specific interval across partition walls 9 which are positioned at both right and left ends, and a closed space 10 is formed of those transparent substrate 2, back substrate 3, and partition walls 9. Many microcapsules 6 are charged in the closed space 10 between the transparent substrates 4 and 5. The microcapsules 6 are spheres formed by individually sealing a dispersion system having a charged particle 7 dispersed in a dispersion medium 11 in advance by microcapsuling technique. Here, electrophoresis display liquid consisting of charged particles 7 and dispersion medium 11 and a binder material 8 are nearly equal in dielectric constant.

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